



PCT

## RAW SEQUENCE LISTING

DATE: 04/03/2003

PATENT APPLICATION: US/10/070,226B

TIME: 11:53:20

Input Set : A:\pf0741usn\_subseqlist.txt

Output Set: N:\CRF4\04032003\J070226B.raw

1 <110> APPLICANT: TANG, Y. Tom; JACKSON, Jennifer L.  
 2 YUE, Henry; REDDY, Roopa  
 3 LAL, Preeti; SHAH, Purvi  
 4 AZIMZAI, Yalda; BAUGHN, Mariah R.  
 5 LU, Dyung Aina M.; BANDMAN, Olga  
 6 SHIH, Leo L.; ARVIZU, Chandra S.  
 8 <120> TITLE OF INVENTION: Proteins Associated with Cell Differentiation  
 10 <130> FILE REFERENCE: PF-0741 USN  
 12 <140> CURRENT APPLICATION NUMBER: 10/070,226B  
 C--> 13 <141> CURRENT FILING DATE: 2002-11-20  
 15 <150> PRIOR APPLICATION NUMBER: PCT/US00/25435  
 W--> 16 <151> PRIOR FILING DATE: 09/14/2000  
 18 <150> PRIOR APPLICATION NUMBER: US 60/169,155  
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 21 <150> PRIOR APPLICATION NUMBER: US 60/154,140  
 W--> 22 <151> PRIOR FILING DATE: 08/15/1999  
 24 <160> NUMBER OF SEQ ID NOS: 56  
 25 <170> SOFTWARE: PERL Program  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 367  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Homo sapiens  
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 33 <221> NAME/KEY: misc\_feature  
 34 <223> OTHER INFORMATION: Incyte ID No: 1681724CD1  
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 39 Pro Ile Ser Ala Leu Glu Ser Asp Ala Ala Lys Pro Ala Glu Ala  
 40 20 25 30  
 41 Pro Asp Ala Pro Glu Ala Ala Ser Pro Ala His Trp Pro Arg Glu  
 42 35 40 45  
 43 Ser Leu Val Leu Tyr His Trp Thr Gln Ser Phe Ser Ser Gln Lys  
 44 50 55 60  
 45 Val Arg Leu Val Ile Ala Glu Lys Gly Leu Val Cys Glu Glu Arg  
 46 65 70 75  
 47 Asp Val Ser Leu Pro Gln Ser Glu His Lys Glu Pro Trp Phe Met  
 48 80 85 90  
 49 Arg Leu Asn Leu Gly Glu Glu Val Pro Val Ile Ile His Arg Asp  
 50 95 100 105  
 51 Asn Ile Ile Ser Asp Tyr Asp Gln Ile Ile Asp Tyr Val Glu Arg  
 52 110 115 120  
 53 Thr Phe Thr Gly Glu His Val Val Ala Leu Met Pro Glu Val Gly

ENTERED

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54          125          130          135
55 Ser Leu Gln His Ala Arg Val Leu Gln Tyr Arg Glu Leu Leu Asp
56          140          145          150
57 Ala Leu Pro Met Asp Ala Tyr Thr His Gly Cys Ile Leu His Pro
58          155          160          165
59 Glu Leu Thr Thr Asp Ser Met Ile Pro Lys Tyr Ala Thr Ala Glu
60          170          175          180
61 Ile Arg Arg His Leu Ala Asn Ala Thr Thr Asp Leu Met Lys Leu
62          185          190          195
63 Asp His Glu Glu Glu Pro Gln Leu Ser Glu Pro Tyr Leu Ser Lys
64          200          205          210
65 Gln Lys Lys Leu Met Ala Lys Ile Leu Glu His Asp Asp Val Ser
66          215          220          225
67 Tyr Leu Lys Lys Ile Leu Gly Glu Leu Ala Met Val Leu Asp Gln
68          230          235          240
69 Ile Glu Ala Glu Leu Glu Lys Arg Lys Leu Glu Asn Glu Gly Gln
70          245          250          255
71 Lys Cys Glu Leu Trp Leu Cys Gly Cys Ala Phe Thr Leu Ala Asp
72          260          265          270
73 Val Leu Leu Gly Ala Thr Leu His Arg Leu Lys Phe Leu Gly Leu
74          275          280          285
75 Ser Lys Lys Tyr Trp Glu Asp Gly Ser Arg Pro Asn Leu Gln Ser
76          290          295          300
77 Phe Phe Glu Arg Val Gln Arg Arg Phe Ala Phe Arg Lys Val Leu
78          305          310          315
79 Gly Asp Ile His Thr Thr Leu Leu Ser Ala Val Ile Pro Asn Ala
80          320          325          330
81 Phe Arg Leu Val Lys Arg Lys Pro Pro Ser Phe Phe Gly Ala Ser
82          335          340          345
83 Phe Leu Met Gly Ser Leu Gly Gly Met Gly Tyr Phe Ala Tyr Trp
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85 Tyr Leu Lys Lys Lys Tyr Ile
86          365
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89 <211> LENGTH: 102
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91 <213> ORGANISM: Homo sapiens
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94 <221> NAME/KEY: misc_feature
95 <223> OTHER INFORMATION: Incyte ID No: 1718047CD1
97 <400> SEQUENCE: 2
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100 Lys Glu Phe Ser Val Leu Leu Asn Gln Gln Val Phe Asn Asp Pro
101          20          25          30
102 Leu Val Ser Glu Glu Asp Met Val Thr Val Val Glu Asp Trp Met
103          35          40          45
104 Asn Phe Tyr Ile Asn Tyr Tyr Arg Gln Gln Val Thr Gly Glu Pro
105          50          55          60

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106 Gln Glu Arg Asp Lys Ala Leu Gln Glu Leu Arg Gln Glu Leu Asn
107          65                      70                      75
108 Thr Leu Ala Asn Pro Phe Leu Ala Lys Tyr Arg Asp Phe Leu Lys
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111          95                      100
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120 <223> OTHER INFORMATION: Incyte ID No: 1980323CD1
122 <400> SEQUENCE: 3
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125 Ala Ala Gln Ala Val Glu Thr Pro Gly Trp Lys Ala Pro Glu Asp
126          20                      25                      30
127 Ala Gly Pro Gln Pro Gly Ser Tyr Glu Ile Arg His Tyr Gly Pro
128          35                      40                      45
129 Ala Lys Trp Val Ser Thr Ser Val Glu Ser Met Asp Trp Asp Ser
130          50                      55                      60
131 Ala Ile Gln Thr Gly Phe Thr Lys Leu Asn Ser Tyr Ile Gln Gly
132          65                      70                      75
133 Lys Asn Glu Lys Glu Met Lys Ile Lys Met Thr Ala Pro Val Thr
134          80                      85                      90
135 Ser Tyr Val Glu Pro Gly Ser Gly Pro Phe Ser Glu Ser Thr Ile
136          95                      100                     105
137 Thr Ile Ser Leu Tyr Ile Pro Ser Glu Gln Gln Phe Asp Pro Pro
138          110                     115                     120
139 Arg Pro Leu Glu Ser Asp Val Phe Ile Glu Asp Arg Ala Glu Met
140          125                     130                     135
141 Thr Val Phe Val Arg Ser Phe Asp Gly Phe Ser Ser Ala Gln Lys
142          140                     145                     150
143 Asn Gln Glu Gln Leu Leu Thr Leu Ala Ser Ile Leu Arg Glu Asp
144          155                     160                     165
145 Gly Lys Val Phe Asp Glu Lys Val Tyr Tyr Thr Ala Gly Tyr Asn
146          170                     175                     180
147 Ser Pro Val Lys Leu Leu Asn Arg Asn Asn Glu Val Trp Leu Ile
148          185                     190                     195
149 Gln Lys Asn Glu Pro Thr Lys Glu Asn Glu
150          200                     205
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153 <211> LENGTH: 120
154 <212> TYPE: PRT
155 <213> ORGANISM: Homo sapiens
157 <220> FEATURE:
158 <221> NAME/KEY: misc_feature
159 <223> OTHER INFORMATION: Incyte ID No: 1990956CD1

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## RAW SEQUENCE LISTING

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Input Set : A:\pf0741usn\_subseqlist.txt

Output Set: N:\CRF4\04032003\J070226B.raw

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164 Asn Ala Gln Gln Glu Asn Glu Gly Gly Glu Gln Ala Pro Thr Gln
165           20           25           30
166 Asn Glu Glu Glu Ser Arg His Leu Gly Gly Gly Glu Gly Gln Lys
167           35           40           45
168 Pro Gly Gly Asn Ile Arg Arg Gly Arg Val Arg Arg Leu Val Pro
169           50           55           60
170 Asn Phe Arg Trp Ala Ile Pro Asn Arg His Ile Glu His Asn Glu
171           65           70           75
172 Ala Arg Asp Asp Val Glu Arg Phe Val Gly Gln Met Met Glu Ile
173           80           85           90
174 Lys Arg Lys Thr Arg Glu Gln Gln Met Arg His Tyr Met Arg Phe
175           95          100          105
176 Gln Thr Pro Glu Pro Asp Asn His Tyr Asp Phe Cys Leu Ile Pro
177          110          115          120
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181 <211> LENGTH: 108
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <223> OTHER INFORMATION: Incyte ID No: 2009069CD1
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191   1           5           10           15
192 Asp Glu His Thr Pro Ser Thr Ser Ser Thr Lys Gly Arg Lys Lys
193           20           25           30
194 Gly Lys Thr Pro Arg Gln Arg Arg Ser Arg Ser Gly Val Lys Gly
195           35           40           45
196 Leu Lys Thr Thr Arg Lys Ala Lys Arg Pro Leu Arg Gly Ser Ser
197           50           55           60
198 Ser Gln Lys Ala Gly Glu Thr Asn Thr Pro Ala Gly Lys Pro Lys
199           65           70           75
200 Lys Ala Arg Gly Pro Ile Leu Arg Gly Arg Tyr His Arg Leu Lys
201           80           85           90
202 Glu Lys Met Lys Lys Glu Glu Ala Asp Lys Glu Gln Ser Glu Thr
203           95          100          105
204 Ser Val Leu
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208 <211> LENGTH: 308
209 <212> TYPE: PRT
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212 <220> FEATURE:
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214 <223> OTHER INFORMATION: Incyte ID No: 2009435CD1
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Input Set : A:\pf0741usn\_subseqlist.txt

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218      1              5              10              15
219 Leu Leu Ser Ala Ile Leu Ser Met Leu Ser Leu Ser Phe Ser Thr
220              20              25              30
221 Thr Ser Leu Leu Ser Asn Tyr Trp Phe Val Gly Thr Gln Lys Val
222              35              40              45
223 Pro Lys Pro Leu Cys Glu Lys Gly Leu Ala Ala Lys Cys Phe Asp
224              50              55              60
225 Met Pro Val Ser Leu Asp Gly Asp Thr Asn Thr Ser Thr Gln Glu
226              65              70              75
227 Val Val Gln Tyr Asn Trp Glu Thr Gly Asp Asp Arg Phe Ser Phe
228              80              85              90
229 Arg Ser Phe Arg Ser Gly Met Trp Leu Ser Cys Glu Glu Thr Val
230              95              100             105
231 Glu Glu Pro Ala Leu Leu His Pro Gln Ser Trp Lys Gln Phe Arg
232             110             115             120
233 Ala Leu Arg Ser Ser Gly Thr Ala Ala Ala Lys Gly Glu Arg Cys
234             125             130             135
235 Arg Ser Phe Ile Glu Leu Thr Pro Pro Ala Lys Arg Gly Glu Lys
236             140             145             150
237 Gly Leu Leu Glu Phe Ala Thr Leu Gln Gly Pro Cys His Pro Thr
238             155             160             165
239 Leu Arg Phe Gly Gly Lys Arg Leu Met Glu Lys Ala Ser Leu Pro
240             170             175             180
241 Ser Pro Pro Leu Gly Leu Cys Gly Lys Asn Pro Met Val Ile Pro
242             185             190             195
243 Gly Asn Ala Asp His Leu His Arg Thr Ser Ile His Gln Leu Pro
244             200             205             210
245 Pro Ala Thr Asn Arg Leu Ala Thr His Trp Glu Pro Cys Leu Trp
246             215             220             225
247 Ala Gln Thr Glu Arg Leu Cys Cys Cys Phe Leu Cys Pro Val Arg
248             230             235             240
249 Ser Pro Gly Asp Gly Gly Pro His Asp Val Phe Thr Ser Leu Pro
250             245             250             255
251 Ser Asp Cys Gln Leu Gly Ser Arg Arg Leu Glu Thr Thr Cys Leu
252             260             265             270
253 Glu Leu Trp Leu Gly Leu Leu His Gly Leu Ala Leu Leu His Leu
254             275             280             285
255 Leu His Gly Val Gly Cys His His Leu Gln His Val His Gln Asp
256             290             295             300
257 Gly Ala Gly Val Gln Val Gln Ala
258             305
260 <210> SEQ ID NO: 7
261 <211> LENGTH: 116
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <223> OTHER INFORMATION: Incyte ID No: 2027937CD1
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 04/03/2003  
PATENT APPLICATION:    US/10/070,226B      TIME: 11:53:21

Input Set : A:\pf0741usn\_subseqlist.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; Xaa Pos. 106,107,108,109

Seq#:52; N Pos. 2705,2709,2711,2713,2714,2717,2719,2731,2735,2736,2745,2747

Seq#:52; N Pos. 2750,2757,2763,2764,2766,2770,2782,2785,2787